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NOTICE OF ALLOWANCE AND FEE(S) DUE

26646 7590 03/22/2010

KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004 SAVANI, AVINASH A

ART UNIT PAPER NUMBER

3749 DATE MAILED: 03/22/2010

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10/550,253
 12/01/2005
 Christos Papageorgiou
 13489/1
 1943

TITLE OF INVENTION: FLOATING SOLAR CHIMNEY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/22/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

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										(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTO	OR		ATTO	RNEY DOCKET NO.	CONFI	RMATION NO.
10/550,253	12/01/2005			Christos Papageorgio	u			I3489/1		1943
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nonprovisional	NO		\$1510	\$300	_	\$0		\$1810		06/22/2010
EXAMI	NER		ART UNIT	CLASS-SUBCLASS						
SAVANI, A	VINASH A		3749	126-571000						
"Fee Address" indi- PTO/SB/47; Rev 03-0. Number is required. 3. ASSIGNEE NAME AN	ondence address (or Cha v/122) attached. cation (or "Fee Address' 2 or more recent) attach ND RESIDENCE DATA ess an assignee is identi in 37 CFR 3.11. Comp	nge of ' Indica ed. Use	Correspondence ation form of a Customer E PRINTED ON	2. For printing on the (1) the names of up or agents OR, altern (2) the name of a sir registered attorney or 2 to the control of the control	to 3 reg atively, ngle firm or agent) attorneys be printe type) e patent. an assign	thaving as a and the nam or agents. If d. If an assignment.	memb es of u no nam	er a 2		has been filed for
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	SMALL ENTITY statu	s. See	37 CFR I.27.	☐ b. Applicant is no l						
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10/550,253	12/01/2005	Christos Papageorgiou	13489/1 1943		
26646 7	590 03/22/2010		EXAMINER		
KENYON & KENYON LLP			SAVANI, AVINASH A		
ONE BROADWAY			ART UNIT	PAPER NUMBER	
NEW YORK, NY 10004			3749		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 812 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 812 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/550,253 PAPAGEORGIOU, CHRISTOS Notice of Allowability Examiner Art Unit AVINASH SAVANI 3749 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 2/5/2010. The allowed claim(s) is/are 3-9. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. ___ 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

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			08-06)	

/Avinash Savani/ Examiner, Art Unit 3749

Attachment(s)

1. Notice of References Cited (PTO-892)

Pacer No./Mail Date

of Biological Material

Notice of Draftperson's Patent Drawing Review (PTO-946).

4. T Examiner's Comment Regarding Requirement for Deposit

3. Information Disclosure Statements (PTO/SB/08),

Notice of Informal Patent Application
 Il Interview Summery (PTO-413).

7. X Examiner's Amendment/Comment

8. X Examiner's Statement of Reasons for Allowance

Paper No./Mail Date

9. ☐ Other

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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jong Lee on 3/3/2010.

The application has been amended as follows:

IN THE CLAIMS:

In independent claim 3: line 19, insert --provided by the lighter-than-air gas-- after "force"

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: The invention, "Floating Solar Chimney", is in the field of solar collectors in the form of chimneys for the utilization of solar energy to heat incoming air. Disclosed is an adjustable, free-standing, floating solar chimney that is comprised of a main chimney unit, a base unit, a dynamically variable folding unit, and a chimney seat. The main chimney unit consists of a balloon type ring filled with lighter-than-air gas that is capable of floating supported by a supporting ring made of rigid, light-weight material. There are also rings incorporating valves for the allowance of incoming air into the chimney unit. The base unit supports the main chimney unit and comprises an upper ring and a lower ring with a smaller diameter than the lower ring. The dynamically variable folding unit is

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coupled to the base unit and has an accordion-like configuration that consists of similar balloons as in the main chimney unit. The folding unit also comprises valves for the incoming of air. The chimney seat is configured to accommodate the base unit and dynamically variable folding unit. The unit as a whole is capable of withstanding high winds, while maintaining shape to ensure maximum solar absorption/conversion. The prior art of reference, U.S. Patent 5527216 to Senanayake also discloses a solar chimney, utilizing balloon rings filled with lighter than air gas, and support rings. Senanayake however does not disclose the unique base unit, in combination with the dynamically variable folding unit or chimney seat. De Luca (WO2004/036039) teaches a similar base unit that allows bending of the chimney in high winds. This reference, however does not show the benefits of base unit, dynamically variable folding unit and chimney seat by providing a secure support for a chimney unit to maximize solar absorption: the upper and lower ring ensure proper support, while the accordion-like configuration allows extreme bending in all directions depending on the incoming wind. and the chimney seat ensures that the entire unit will remain secured on the ground. The prior art of reference do not show this arrangement nor are the benefits shown. For these reasons, the invention is unique and allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to AVINASH SAVANI whose telephone number is (571)270-3762. The examiner can normally be reached on Monday- Friday, alternate Fridays off, 7:30-5 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven McAllister can be reached on 571-272-6785. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Avinash Savani/ Examiner, Art Unit 3749 /Steven B. McAllister/ Supervisory Patent Examiner, Art Unit 3749

/A. S./ 3/4/2010